



Certificate of Analysis

Product Name: Formic Acid
Grade: LC-MS grade, UltraPure
Chemical Formula: HCOOH
Formula Weight: 46.03 g/mol
Release Date: Dec-20-2024

Product Code: CP-L9636
Lot #Z0955302CP
CAS# 64-18-6
Density: 1.22 g/mL
Retest Date: Oct-31-2027

Analytical Results		
Tests	Specs	Results
Assay (acidimetry)	>97.5%	99.6%
Color (APHA)	max. 15	≤ 10
Al (Aluminum)	max. 50ppb	≤ 5.0 ppb
Ca (Calcium)	max. 200 ppb	≤ 10 ppb
Cu (Copper)	max. 20 ppb	≤ 1.0 ppb
Fe (Iron)	max. 200 ppb	≤ 5.0 ppb
K (Potassium)	max. 100 ppb	≤ 5.0 ppb
Mg (Magnesium)	max. 500 ppb	≤ 2.0 ppb
Na (Sodium)	max. 500 ppb	≤ 5.0 ppb
NH ₄ ⁺ (Ammonium)	max. 10 ppm	≤ 10 ppm
Residue on ignition, as SO ₄ (Sulfate)	max. 5 ppm	≤ 2 ppm
Suitability for the LC-MS, reserpine, (ESI positive)	complying	≤ 2 ppb
Suitability for the LC-MS, reserpine, (ESI negative)	complying	≤ 2 ppb
Appearance of the solution	complying	complying

L= 50mL

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